



THEATER SPOTS
300/500; 650/1000; 2000


For your own safety, please
read this user manual carefully
before you start-up and use

Theater Spots



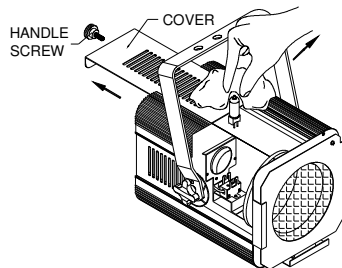
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IMPORTANT SAFETY INSTRUCTIONS

- ♦ **CAUTION!** Be careful with your operations. Avoid electric shock when touching the wires! Make sure you read the instructions in this manual.
- ♦ If the device has been exposed to drastic temperature changes, switch it on immediately. The arising condensation must be switched off until it has reached room temperature.
- ♦ This device falls under protection-class I, therefore it must be connected to earth. The electric connection must be made by a qualified person.
- ♦ Make sure that the power-cord is never crimped or damaged. The power-cord from time to time.
- ♦ If the external flexible cable or cord of this luminaire is damaged by the manufacturer or his service agent or a similar person, the luminaire must be replaced.
- ♦ Shields, lenses or ultraviolet screens shall be used in such an extent that their effectiveness is impaired.
- ♦ Never let the power-cord come into contact with water or other connections with the mains with particular care.
- ♦ Always disconnect from the mains, when the luminaire is not in use. The power-cord by the plug. Never pull out the power-cord by the plug.
- ♦ **DANGER OF BURNING!** Never touch the device when it is in operation. The housing temperature T_{surface} may be high.
- ♦ Don't switch the device on and off in short intervals.
- ♦ **HEALTH HAZARD!** Never look directly into the light beam. This may cause epileptic shock (especially meant for epileptic persons).
- ♦ Keep away children and amateurs from the device.
- ♦ There are no serviceable parts inside the device. Repairs must be carried out by authorized dealers.
- ♦ This device is a lighting effect for creating dramatic effects with an alternation current of max. 230V/50Hz.
- ♦ When choosing the installation-spot, please avoid places with moisture or dust. There should not be any other objects in the vicinity of others!
- ♦ The symbol  determines the minimum distance between light-output and the illuminated surface.
- ♦ Make sure that the area below the installation-spot is clear of people and fixtures. Always fix the fixture with an appropriate mounting.
- ♦ The maximum ambient temperature T_a must not be exceeded.
- ♦ Operate the device only after having become familiar with its operation. Persons not qualified for operating the device must not operate it!
- ♦ Please consider that unauthorized modifications are dangerous.
- ♦ If this device will be operated in any way different from the intended use, it may suffer damages and the guarantee becomes void. Dangers like short-circuit, burns, electric shock, etc. are not covered by the guarantee.

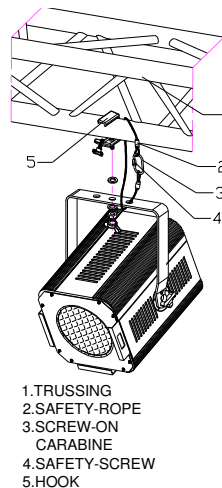
Replacing the lamp

- ♦ **DANGER TO LIFE!** Only install the lamp with the device switched off! Unplug from mains before!
- ♦ **CAUTION!** The lamp has to be replaced when it is damaged or thermally deformed due to the heat! The lens must be replaced if it is visibly damaged and therefore operating with reduced efficiency.
- ♦ Before replacing the lamp, unplug mains lead and let the lamp cool down (approx. 5 minutes).
- ♦ During the installation do not touch the glass-bulbs bare-handed! Please follow the lamp manufacturer's notes!
- ♦ Do not install lamps with a higher wattage! Lamps with a higher wattage generate temperatures the device was not designed for. Damages caused by non-observance are not subject to warranty.
- ♦ For the installation, you need one GY9.5 halogen lamp with up to max. 500W
- ♦ **Procedure:**
 - Step 1: Unscrew the handle screw on the rear of the device.
 - Step 2: Push out the cover to the back.
 - Step 3: Remove the old lamp.
 - Step 4: Insert the same type lamp into the lamp-socket.
 - Step 5: Replace the cover and screw the handle screw.



Installing

- ♦ The installation of the device has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
- ♦ The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.
- ♦ When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.
- ♦ The device should be installed outside areas where persons may walk by or be seated.
- ♦ **IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE**, including (but not limited to) calculation working load limits, installation material being used, and periodic safety inspection of all installation material and the device.
- ♦ The device has to be installed out of the reach of people.
- ♦ If the device shall be lowered from the ceiling or high joists, professional trussing systems have to be used. The device must never be fixed swinging freely in the room.
- ♦ **Caution:** Devices may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the device!
- ♦ **DANGER OF FIRE!** When installing the device, make sure there is no highly-inflammable material (decoration articles, etc.) within a distance of min. 0.5 M.
- ♦ Mount the device with the mounting-bracket to your trussing system using an appropriate clamp. The hole in the mounting bracket has a diameter of 13 mm.
- ♦ For overhead use, always install a safety-rope that can hold at least 10 times the weight of the fixture. You must only use safety-ropes with screw-on carabines. Pull the safety-rope through the hole in the mounting-bracket and over the trussing system etc. Insert the end in the carabine and tighten the safety screw.
- ♦ Adjust the desired inclination-angle via the mounting-bracket and fix the fixation screws.
- ♦ **DANGER TO LIFE!** Before taking into operation for the first time, the installation has to be approved by an expert or by qualified ENGINEERS/TECHNICIANS only!



Connection with the mains

- ♦ **DANGER TO LIFE!** The electric connection must only be carried out by a qualified electrician!

- ♦ In order to connect the device to the mains,
- ♦ The occupation of the connection-cables is as follows:

Cable	Pin	Function
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	PE

- ♦ The earth has to be connected!
- ♦ Connect the device to the mains with the power switch.
- ♦ If the device will be directly connected with the mains, a minimum opening of 3 mm at every pole has to be provided.
- ♦ In general, lighting effects should not be connected to the mains.
- ♦ **DANGER TO LIFE!** Before taking into operation, the installation has to be approved by an expert!

OPERATION:

- ♦ After you connected the fixture to the mains, pull the handle screw through the device.

CLEANING AND MAINTENANCE

- ♦ The following points have to be considered during cleaning:
 - 1) All screws used for installing the devices must not be corroded.
 - 2) There must not be any deformations on the suspension, trussing).
 - 3) The electric power supply cables must not be covered by sediments. Further instructions depend on the material used by a skilled installer and any safety problems.
- ♦ **DANGER TO LIFE!** Disconnect from mains before cleaning!
- ♦ We recommend a frequent cleaning of the device with alcohol or solvents!
- ♦ The interior of the device should be cleaned regularly.
- ♦ There are no serviceable parts inside the device. Repairs and operations are only to be carried out by authorized personnel.
- ♦ Please refer to the instructions under "Replacing the lamp".
- ♦ Should you need any spare parts, please contact your dealer.
- ♦ If the power supply cable of this device becomes damaged, it must be replaced only in order to avoid hazards.
- ♦ Should you have further questions, please contact your dealer.

TSP 300/500

TECHNICAL SPECIFICATIONS

Power supply:	Max. 230-240V/AC, 50Hz
Power consumption:	Max. 500W
Dimensions (L x W x H):	320x220x320mm
Weight:	3.5 kg
Fitting lamp	230-240V GX9.5 300W or 500W halogen lamp
Maximum ambient temperature t _a :	25 °C
Maximum housing temperature t _s :	125 °C
Minimum distance:	1m
Lens:	1, Fresnel Lens; 2, Anti-halo Lens

TSP 2000

TECHNICAL SPECIFICATIONS

Power supply:	Max. 230V/AC, 50Hz
Power consumption:	Max. 2000W
Dimensions (L x W x H):	370x250x370mm
Weight:	4.85 kg
Fitting lamp	GY16 2000W halogen lamp
Maximum ambient temperature t _a :	25 °C
Maximum housing temperature t _s :	260 °C
Minimum distance:	3m

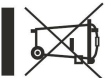
TSP 650/1000

TECHNICAL SPECIFICATIONS

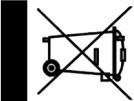
Power supply:	Max. 230-240V/AC, 50Hz
Power consumption:	Max. 1000W
Dimensions (L x W x H):	370x250x370mm
Weight:	3.5 kg
Fitting lamp	230-240V GX9.5 650W or 1000W halogen lamp
Maximum ambient temperature t _a :	25 °C
Maximum housing temperature t _s :	160 °C
Minimum distance:	1m



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